

AUSTRALIAN COLONIAL SERIES WOODEN MODEL KIT

# LONGBOAT - HMS SIRIUS 1786

SCALE 1:24



LENGTH: 565mm HEIGHT: 410mm

ITEM CODE: KTMS1009



**Modellers  
Shipyard**

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**BUILDING INSTRUCTIONS**

### HMS Sirius Longboat

The *HMS Sirius* was the flag ship of the First Fleet. Under the command of Captain Arthur Phillip, the frigate led a fleet of 11 ships carrying 1350 convicts, sailors and other passengers, to establish the first settlement in New South Wales. The fleet left England on 13 May 1787 and after a monumental journey taking eight months arrived in Botany Bay between 18-20 January 1788.

The largest boat of the *HMS Sirius* was the longboat. The primary propulsion of the longboat was oar power. A pair of men would sit abreast on a single thwart, one man pulling a starboard oar, the other the port (or larboard) oar. The main duty of the longboat was to carry dispatches or transport the officers to and from shore. The *HMS Sirius* Longboat would have been used to transport Captain Arthur Phillip ashore in Sydney Cove to raise the Union Jack and claim the eastern part of the Australian continent for Great Britain on the 26 January 1788 naming the new colony New South Wales.

The *HMS Sirius* Longboat was also equipped with a collapsible sailing rig making her a speedy sailer allowing her to be employed to explore the environs of Port Jackson.

In March 1790 the *HMS Sirius* foundered when she struck a reef off Sydney Bay (Kingston) on Norfolk Island and was finally wrecked on the 19th March 1790. The ship's Longboat was used extensively to ferry crew and convicts to the island and to salvage goods and supplies. Importantly the Longboat was used to salvage the ship's guns, one of which is now a permanent monument in Macquarie Place, Sydney.

This model of the *HMS Sirius* Longboat is based on a typical Royal Navy longboat of the period. The model is double planked with limewood as the first layer and teak as the second layer. All parts and fittings are of the highest quality. The kit comes complete with fully detailed written step-by-step building instructions with extensive colour photographs.

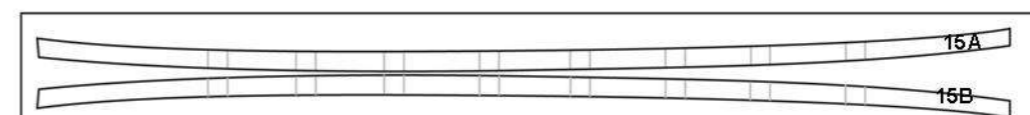
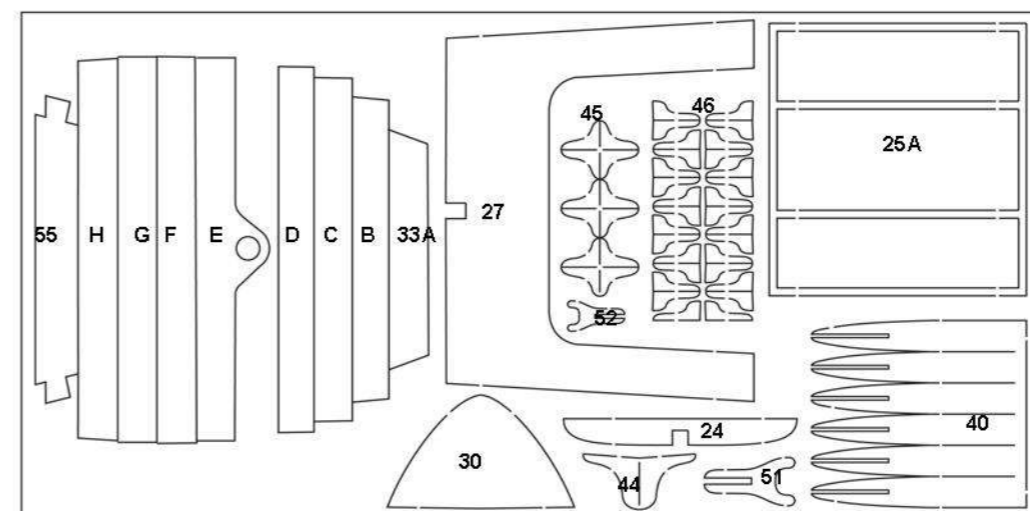
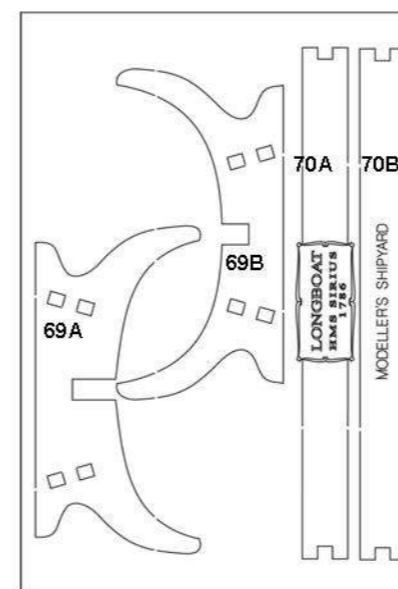
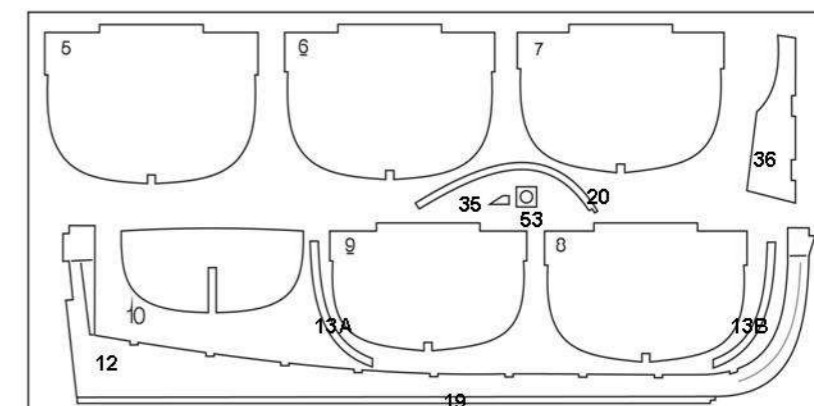
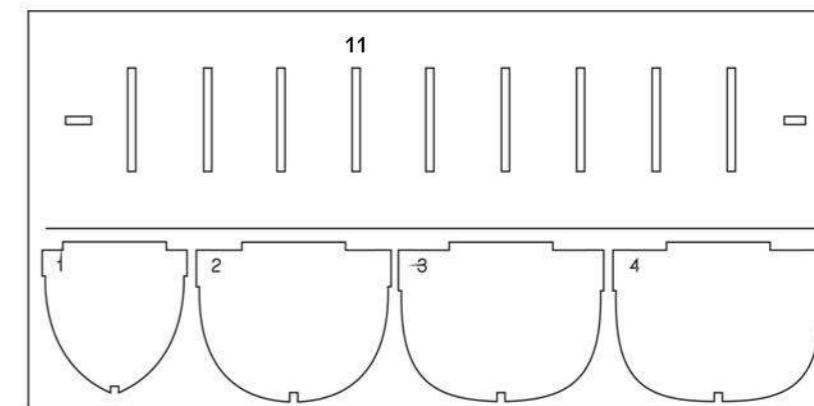
#### References:

1. Marquardt, K.H. "Eighteenth-century Riggs & Rigging" Conway Maritime Press 1992
2. May, W.E. "The Boats of Men-of-War" National Maritime Museum, Greenwich 1999
3. Lavery, B. "The Arming & Fitting of English Ships of War 1600-1815" Conway Maritime Press 1987

### Materials & Parts List

Part No	Description	Quantity	Material	Part No	Description	Quantity	Material
1-9	Bulkhead	9	4mm ply wood	33A-H	Thwarts	8	2mm ply wood
10	Transom	1	4mm ply wood	34	Thwart pillars	1	3x3x250mm walnut
11	Base	1	4mm ply wood	35	Stern head	1	4mm ply wood
12	Keel	1	4mm ply wood	36	Rudder	1	4mm ply wood
13A/B	Bow Blocks	2	4mm ply wood	37	Wire-brass—1.5x15mm	1	Parts card
14	First layer planking	40	2x5x400mm limewood	38	Rudder hinges	2	Parts card
15A/B	Washboards	2	2mm ply wood	39	Nails	20	Parts card
16	Second layer planking	60	0.6x6x400mm teak	40	Oar blades	6	2mm ply wood
17	Washboard planking	2	0.6x6x400mm walnut	41	Oar shaft	3	Dowel 3x300mm
18	Washboard trim	2	2x3x400mm walnut	42	Eye pins	15	Parts card
19	False keel	1	4mm ply wood	43	Rings—8mm	4	Parts card
20	Stem post	1	4mm ply wood	44	Stern knees	2	2mm ply wood
21	Rowlock strips	2	1x2x400mm limewood	45	Knees	12	2mm ply wood
22	Ribs	24	0.6x3x200mm walnut	46	Thwart knees	30	2mm ply wood
23	Stern bench & thwart shelf	2	2x2x400mm limewood 2x2x120mm limewood	47	Mast	1	Dowel 6x400mm
24	Grating support	1	2mm ply wood	48	Boom	1	Dowel 5x250mm
25A	Grating base	1	2mm ply wood	49	Bowsprit	1	Dowel 5x250mm
25B	Grating pieces	1	0.6 maple veneer	50	Gaff	1	Dowel 4x80mm
26	Grating trim	1	1x3x300mm limewood	51	Boom yoke	1	2mm ply wood
27	Stern bench	1	2mm ply wood	52	Gaff yoke	1	2mm ply wood
28	Keelson	1	2x10x250mm walnut	53	Mast step	1	4mm ply wood
29	Bottom boards	6	1x6x250mm walnut	54	Cord—0.25mm	1	Parts card
30	Bow platform	1	2mm ply wood	55	Bowsprit brace	1	2mm ply wood
31	Cap rails	2	2x5x400mm flexbeech 2x5x100mm flexbeech	56	Brace pins	2	Parts card
32	Cap rail trim	4	1x3x400mm beech 1x3x200mm beech	57	Bowsprit strap—3x40mm copper	1	Parts card
				58	Cord—0.75mm	1	Parts card

Part No	Description	Quantity	Material
59	Wire-brass—0.5x400mm	1	Parts card
60	Deadeyes—7mm	10	Parts card
61	Cord—1.25mm	1	Parts card
62	Blocks—5mm 1hole	8	Parts card
63	Cord—0.5mm	1	Parts card
64	Rings—3mm	4	Parts card
65	Belaying pins—16mm	6	Parts card
66	Parrel beads	20	Parts card
67	Cleat	1	Parts card
68	Block—5mm 2 hole	3	Parts card
69A/B	Cradle ends	2	4mm ply wood
70A/B	Cradle bars	2	4mm ply wood

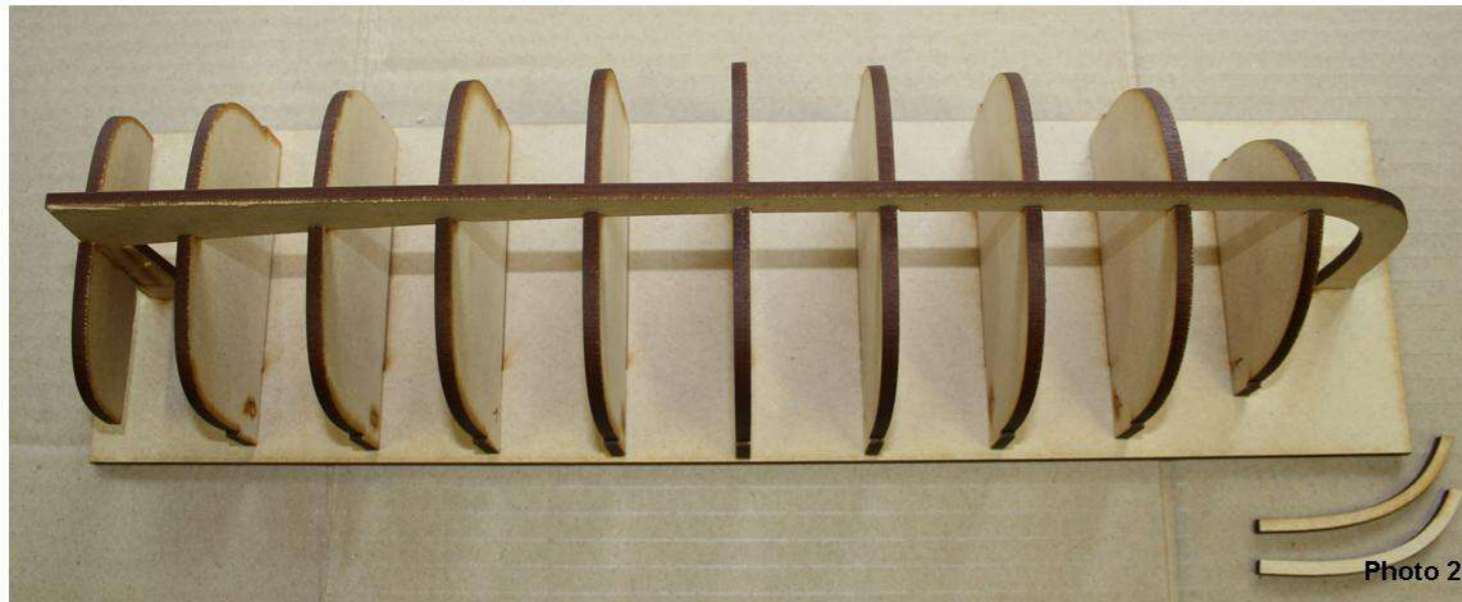
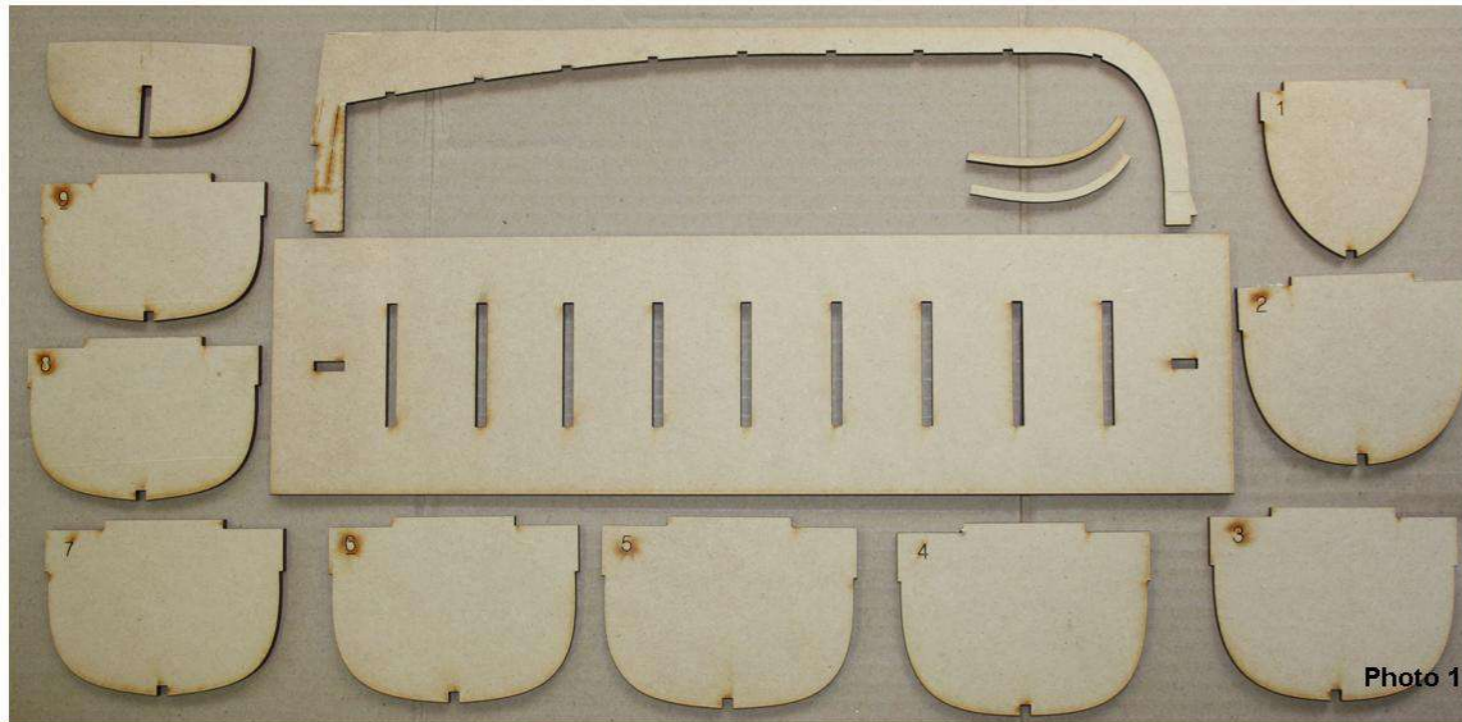


**1.0 Assemble Frames & Keel**

Identify the bulkhead frames P1-9, transom P10, base P11 and keel P12 from the 4mm board—Photo 1

Assemble the parts as shown Photo 2. Do NOT glue the frames into the base board. Do NOT glue the keel into the frames.

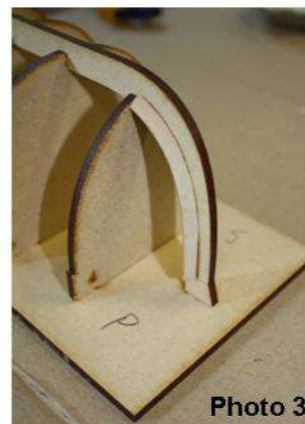
Glue the transom to the keel



**2.0 Bow Blocks**

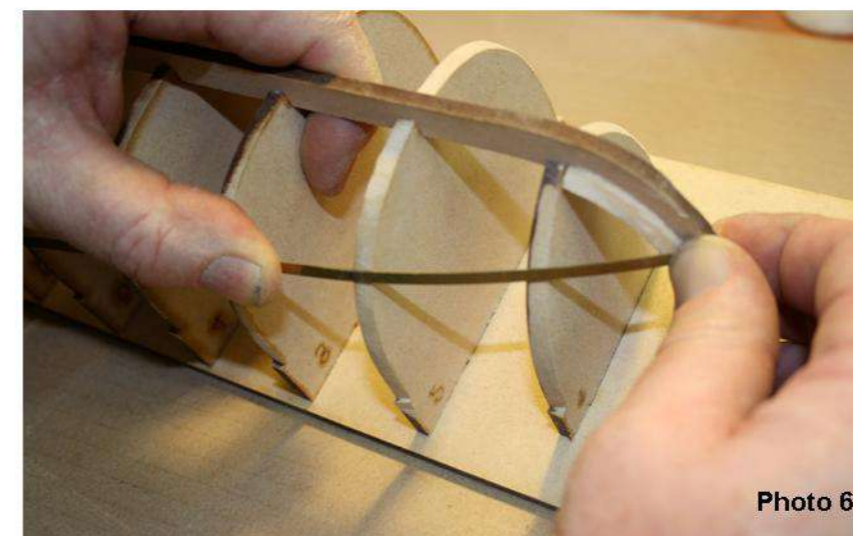
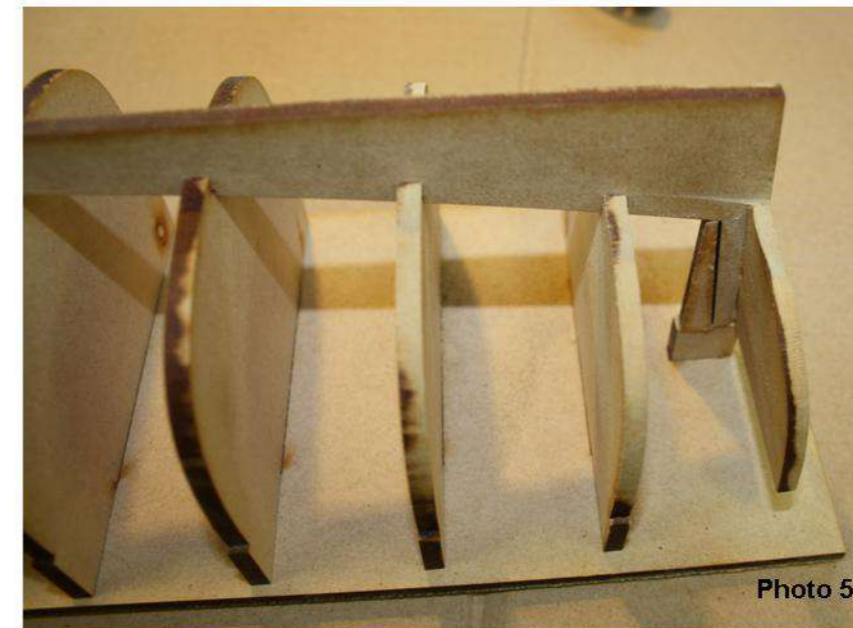
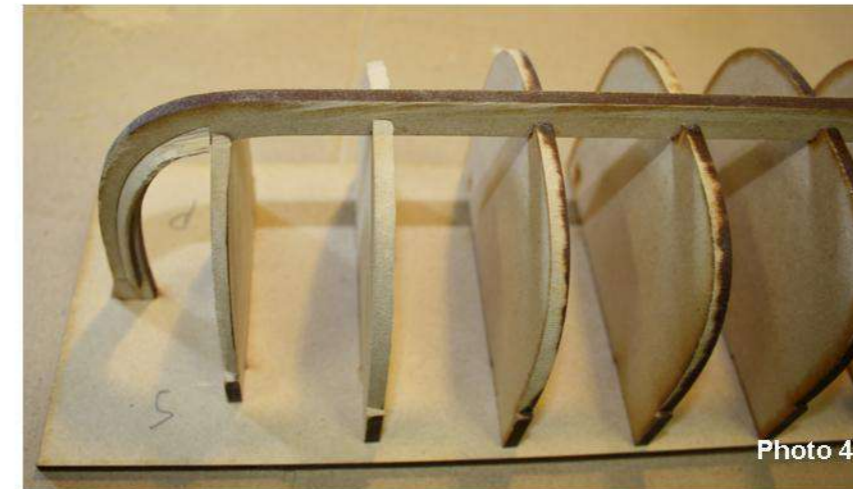
Identify the bow blocks P13A/B. Before fixing in place use a file to bevel the edge at 45 degrees—Photo 3.

Glue each bow block in place.



**3.0 Fairing the Frames**

You will find that frames 1,2 & 3 at the bow will need fairing while at the stern frames 8, 9 and the transom will need fairing. While you are fairing the frames be careful not to break the main keel joints to the base. Use a brass strap to lay across the frames to check your fairing—Photos 4, 5 & 6



#### 4.0 First Layer of Planking

Before starting to plank the hull place stick tape across the frames from the keel to the top of the frames—Photo 7. This is to ensure the planks do not adhere to the frames. The first layer of planking is 2x5x400mm limewood P14. There are 40 planks in the kit.

Place the **first plank** in position at the top edge of the frames. Mark with a pencil where the plank starts to bend around the bow—this will be at frame 2. Use a hand held plank bender to shape the plank from this point forward.

Fit & fix the plank in position. Do not taper this first plank. Use PVA glue to fix the plank in position. Only glue the plank at the bow and at the transom. Repeat for the other side of the model.



Photo 7



Photo 8

To plank the hull we are going to create two planking bands - Band A and Band B.

**Band A:** From the bottom of the first plank measure down 45mm on the mid-boat frames 4, 5 & 6. Mark the 45mm point on each of these frames—Photo 9

Fit a **second plank** in position—this is temporary plank. Fit the plank along these 45mm points on the mid-boat frames and allow it to run its natural course fore and aft. Pin in position—do not glue in position.

We are now going to complete the planking of band A

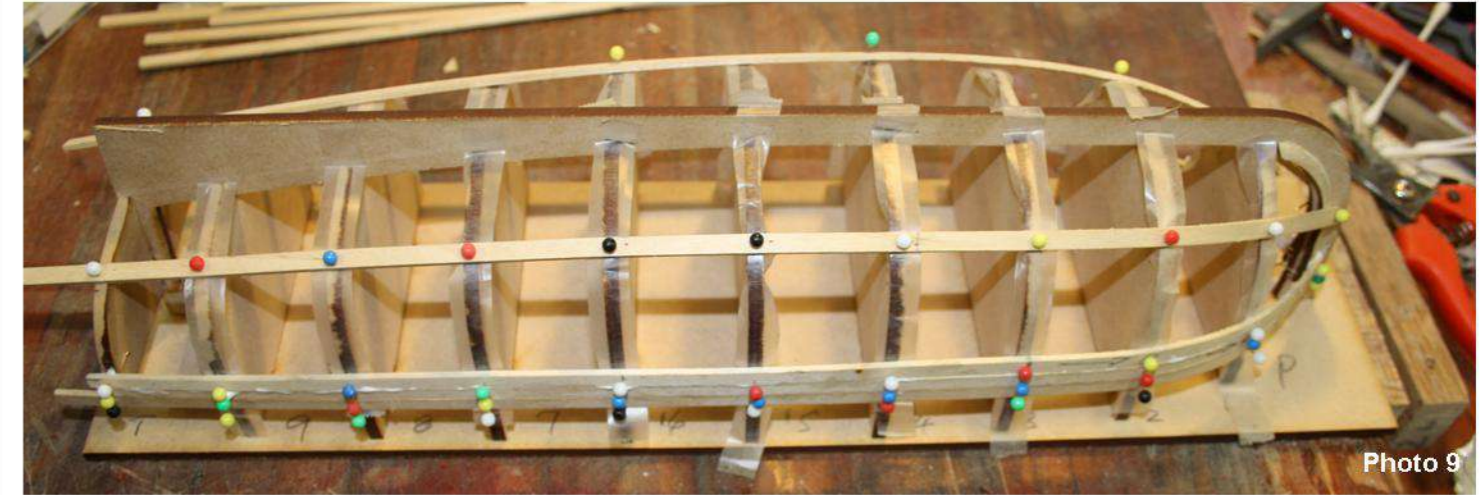


Photo 9

Use a dress makers tape measure to measure on each frames the distance from the bottom of the first plank to the top of the second plank. On the mid-boat frames this measurement will be 45mm.

Record your measurements in Table 1 below.

As the planks for the first layer of planking are 5mm wide then  $45/5 = 9$ . Therefore 9 planks will fit into the area between the first plank and the second plank. Across the mid-boat frames these planks will be at the widest.

For example if the measurement at say frame 1 is 63mm then  $63/9 = 3.9$ mm. This means that the plank will need to be tapered to 3.9mm at frame 1.

Use your measurements to determine the plank width at each frame.

Bulkhead Frame	1	2	3	4	5	6	7	8	9	Transom
Measurement mm				45	45	45				
Plank Width mm				5	5	5				

Table 1

As you add each plank be sure to run a bead of glue along the edge length of the plank and pin each new plank hard against the previously laid plank. This will add strength to the hull which is particularly important as the planks are not being glued to the frames.

Continue to plank Band A. Keep checking your measurements and make any fine adjustments as needed.

Once you have completed planking Band A remove the second plank fitted.



Photo 10

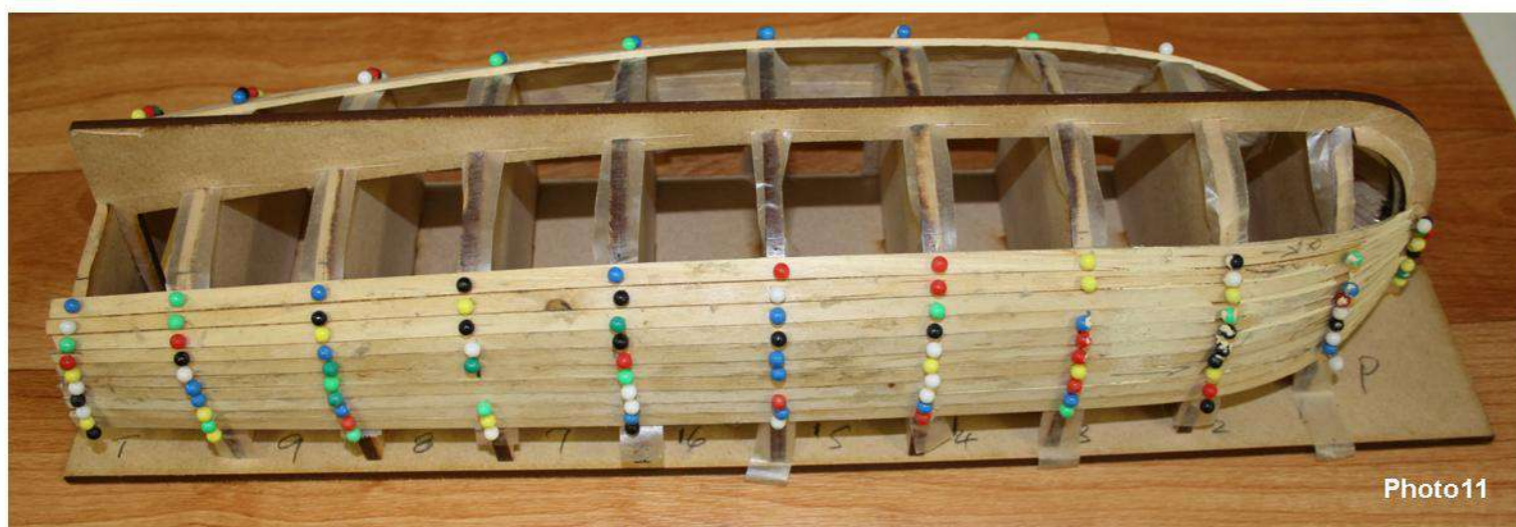


Photo 11

Before progressing on to complete planking Band B we need to fit the garboard plank. This is the plank that is fitted against the keel.

Place a temporary plank along the edge of the keel across the frames—Photo 12

Use a brass strap to extend the path of the plank. Mark this path with a pencil—Photo 13. Shape the plank to fit within the line against the keel. Fix in place—



Photo 12

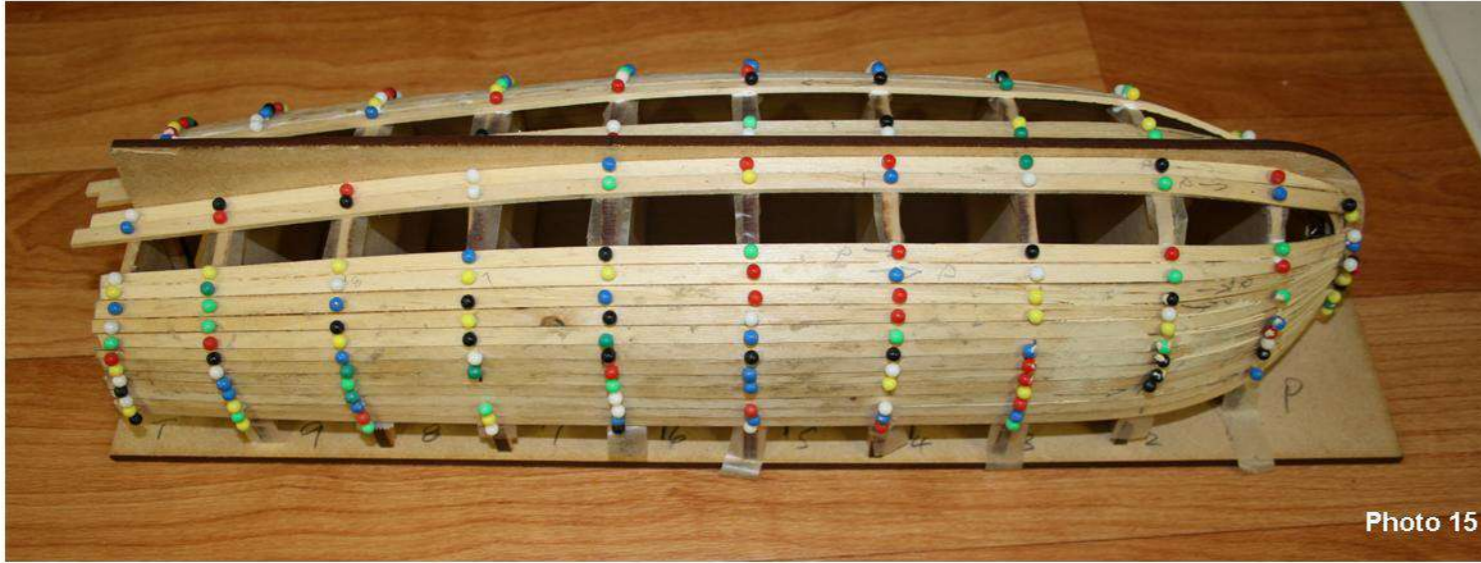


Photo 13



Photo 14

Fit a second plank beside the garboard plank—Photo 15.



Continue now to close-up the gap between Band A and Band B. You will need to fractionally fit the closing plank on each side—Photo 16.



Use a wood filler to fill any gaps in the hull. Use sandpaper to give the hull a smooth finish—Photo 17



### 5.0 Washboards

The washboards are P15A/B on the 2mm plywood sheet. Use a hand held plank bender to shape the washboard to fit around the bow—Photo 18

Fit & fix the washboards in place over the first plank fitted at the top of the hull—Photo 19.



## 6.0 Second Layer of Planking

The second layer of planking is 0.6x6x400mm teak planks P16. There are 60 lengths in the kit. Completing the second layer of planking is done slightly differently to the first layer of planking. As we progress the method will be shown clearly. As the second layer of planking is a veneer use a contact glue to fix them in place.

Fix one plank immediately below the washboard. Do not taper this plank—Photo 20.

## 7.0 Rowlocks

Use a fine blade keyhole saw to cut out the rowlocks slots. Identify the 0.6x6x400mm walnut strips P17. There are 2 in the kit. Fit & fix these strips over the washboards—Photo 20



Photo 20

Fit and fix a second teak plank in position immediately below the last plank.

Use one of the spare planks P14 as a batten pin it in place below this teak plank—pin it in place across the mid-boat area first and allow the plank to follow its natural path both fore and aft. Pin it in place. You will notice that it overlaps the teak plank at the bow. There may be some small overlap at the stern—Photo 21 & 22

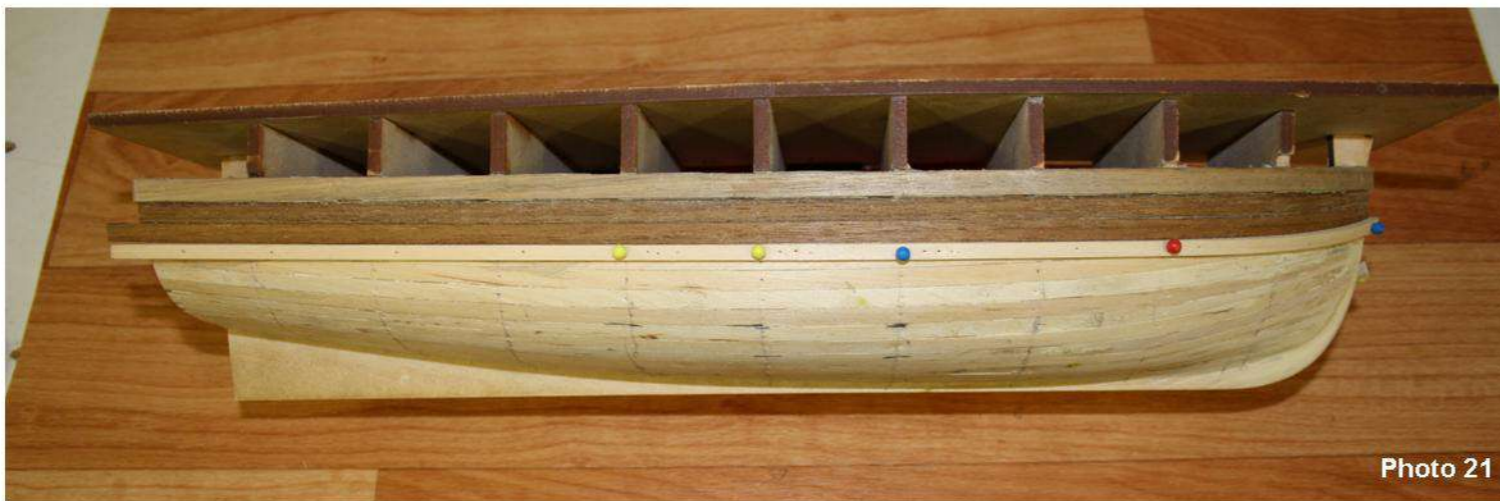


Photo 21



Photo 22

With a pointed blade knife and using the batten as a guide trim off the overlap on the teak plank—Photos 23 & 24. Repeat for the other side of the hull



Photo 23



Photo 24

Identify the 2x3x400mm walnut timber P18. There are 2 lengths. Fit & fix a length immediately below the washboards—Photo 25.

Continue with the second layer of planking. As each teak plank is fixed in place fit the batten in place and then trim off any overlap with the teak plank at the bow. As you progress you will find that some trimming will be also be needed at the stern—Photo 26.

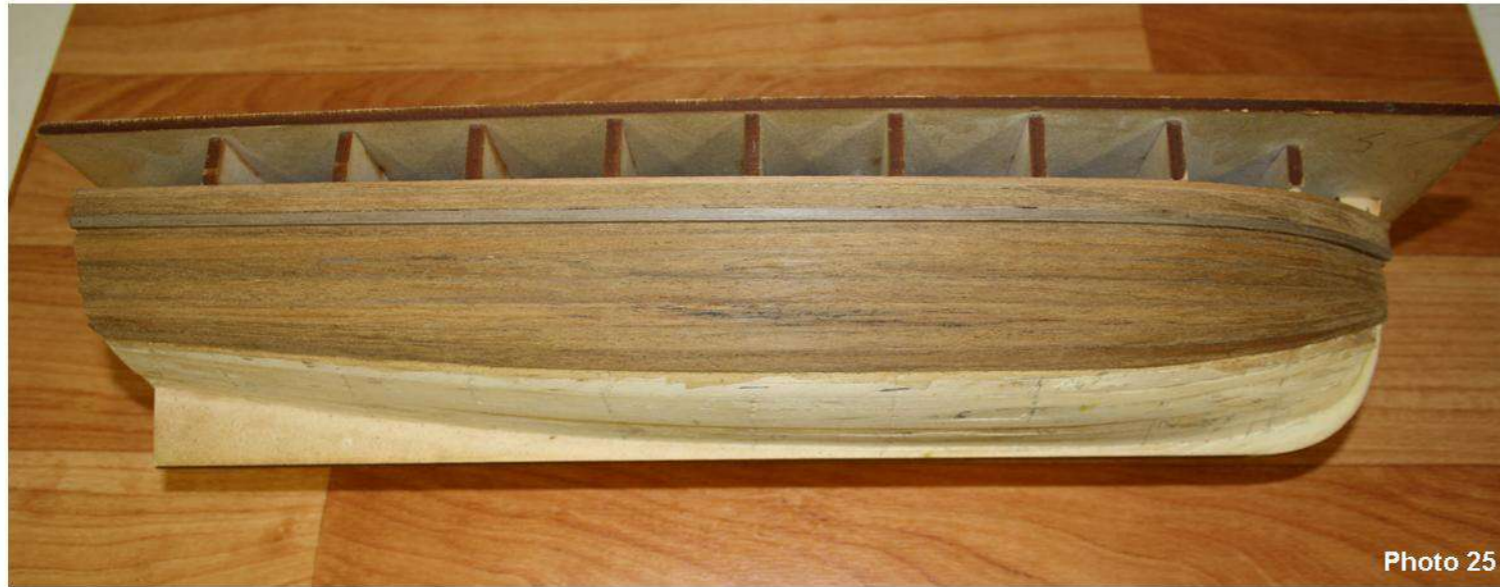


Photo 25



Photo 26

Fit and fix the garboard plank. Fix a second plank adjacent to this plank—Photos 27 & 28

Continue with the second layer of planking using the approach described to taper the planks.



Photo 27



Photo 28



Photo 29



Once both sides of the hull are completed use a pointed blade knife to trim off any excess at the bow—Photos 30 & 31.



Photo 30



Photo 31

#### 8.0 False Keel & Stem Post

Identify the false keel P19 from the 4mm plywood sheet. Fit & fix in position.

Identify the stem post P20 from the 4mm plywood sheet. Fit and fix in position.

Continue now to complete the planking of the remainder of the hull. Plank the keel fully along with the stem post. Plank the transom and trim off any excess—Photos 32 & 33



Photo 32



Photo 33

Next use a small wad of cotton wool enclosed in some cloth. Dip into a container of teak or walnut wood stain and wipe over the hull. Keep wiping until the stain has been absorbed into the timber.

Once dry apply 2 or 3 spray coats of clear satin or matt polyurethane varnish finish. Set aside to dry.

## 9.0 Hull Preparation

The next step is to remove the hull from the bulkhead frames.

Carefully lift the keel pieces from the base board—Photo 34

Then carefully remove each bulkhead frame from the shell—Photo 35

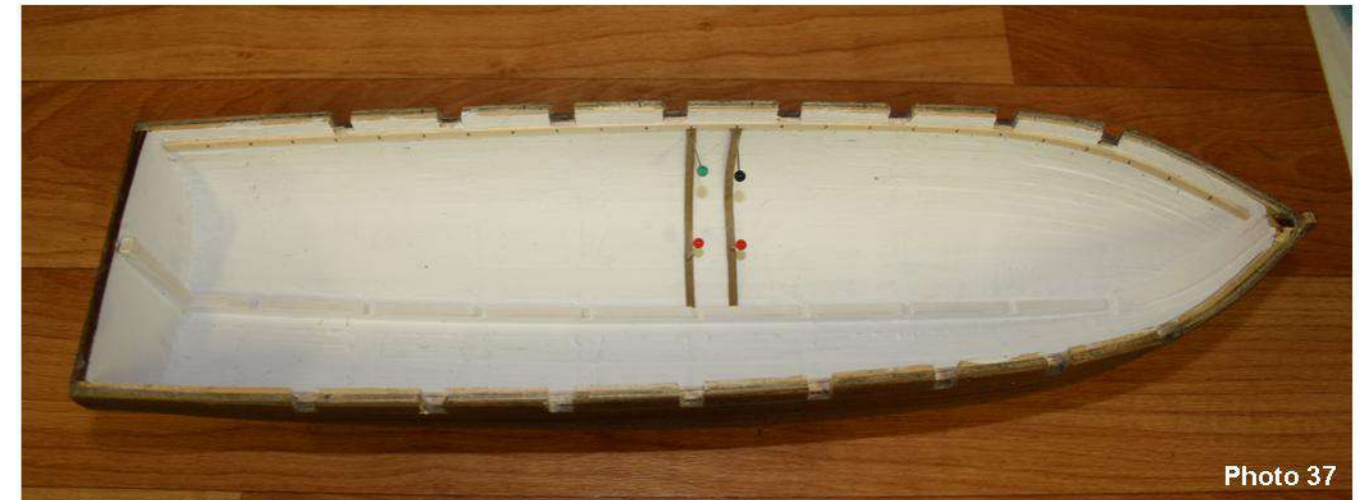


Use sandpaper to remove any glue and/or wood filler from the inside of the hull. Paint the inside of the hull white—a few coats of paint may be needed—Photo 36

Cut out the rowlocks. Identify the 1x2x400mm limewood strips P21. There are 2 lengths. Fit & fix these rowlock strips immediately below the rowlocks on the inside of the hull—Photo 37. Paint the rowlock strips white.



Fit the ribs of the hull. Identify the 0.6x3x200mm walnut strips P22. There are 24 strips in the kit. The ribs fit between the keel and the underside of the rowlock strips. Each rib is fitted approximately 15mm apart. Start to fit them at the mid-boat area and progress fore and aft—Photo 37 & 38



**10.0 Stern Bench & Thwart Shelf:** identify the 2x2mm limewood P23. There are 2 lengths at 400mm and 1 length at 120mm.



Photo 39

Measure down from the top of the washboard 20mm at the mid-boat frames. Use a plank bender to shape the 2x2mm limewood around the bow. Fit at the mid-boat area and allow to follow its natural course fore and aft. Align with the transom pieces previously fitted. Make sure the other side of the hull is a mirror image—Photo 40. Stain the thwart shelf teak if desired. Alternatively it can be painted white.

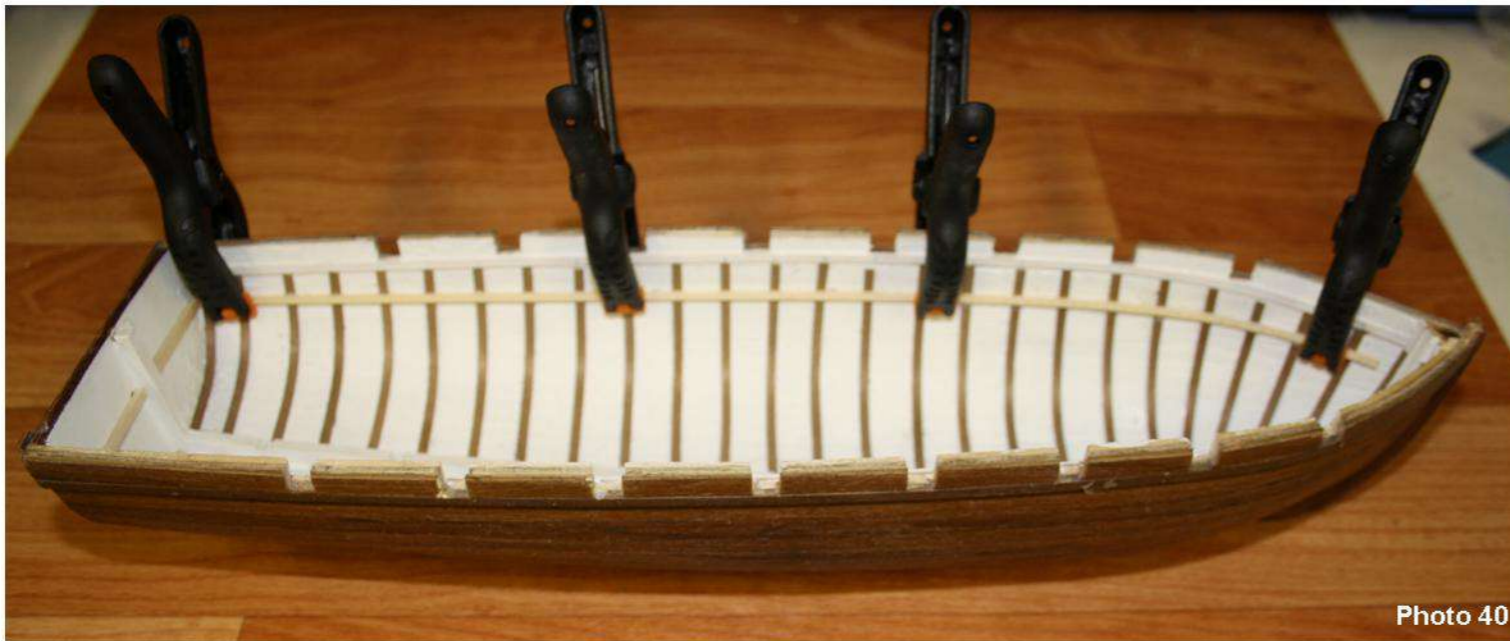


Photo 40

**11.0 Grating Support:** Identify the grating support P24 from the 2mm plywood sheet. Fit in position as shown Photo 41

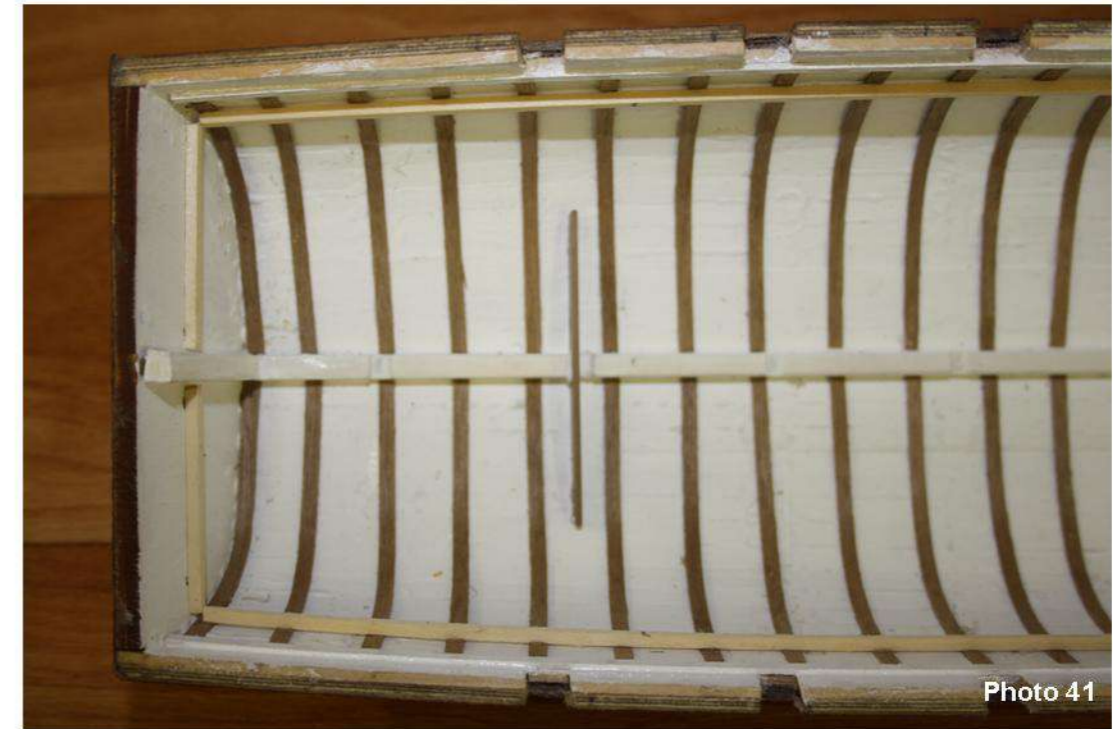


Photo 41

**12.0 Grating:** identify the grating frame P25A from the 2mm plywood sheet and the grating P25B from the veneer sheet. Assemble the grating onto the frame and fix in position with a bead of PVA glue over one face of the frame and, using tweezers, place each part of the veneer sheet on to the frame—allow the glue to dry before progressing. Identify the 1x3x300mm limewood strip P26. Use this timber to fix a trim around the edge of the grating. Fit and fix the grating in position as shown Photo 42. Note the grating will have a slight downward slope from the transom once fitted in place.

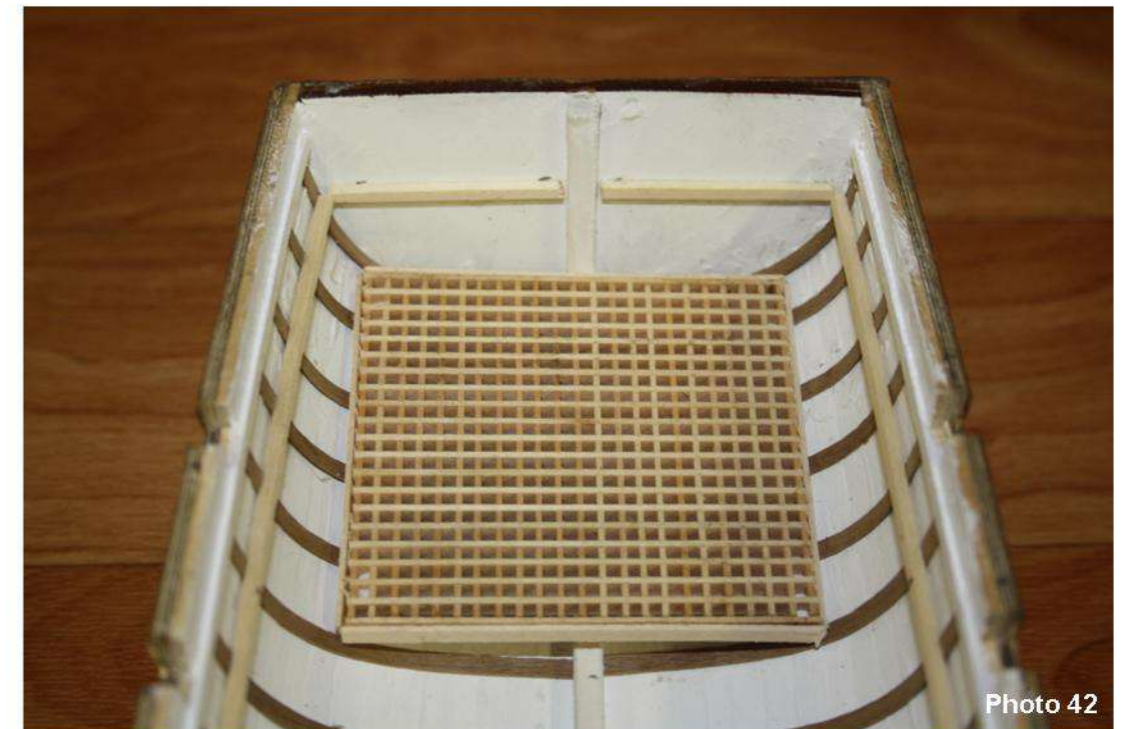


Photo 42

**13.0 Stern Bench:** Identify the stern bench P27 from the 2mm plywood sheet. Fractionally fit into position. Once satisfied plank the bench with the teak planks P16. Stain the stern bench as previously described for the hull. Fix the stern bench in position—Photo 43.

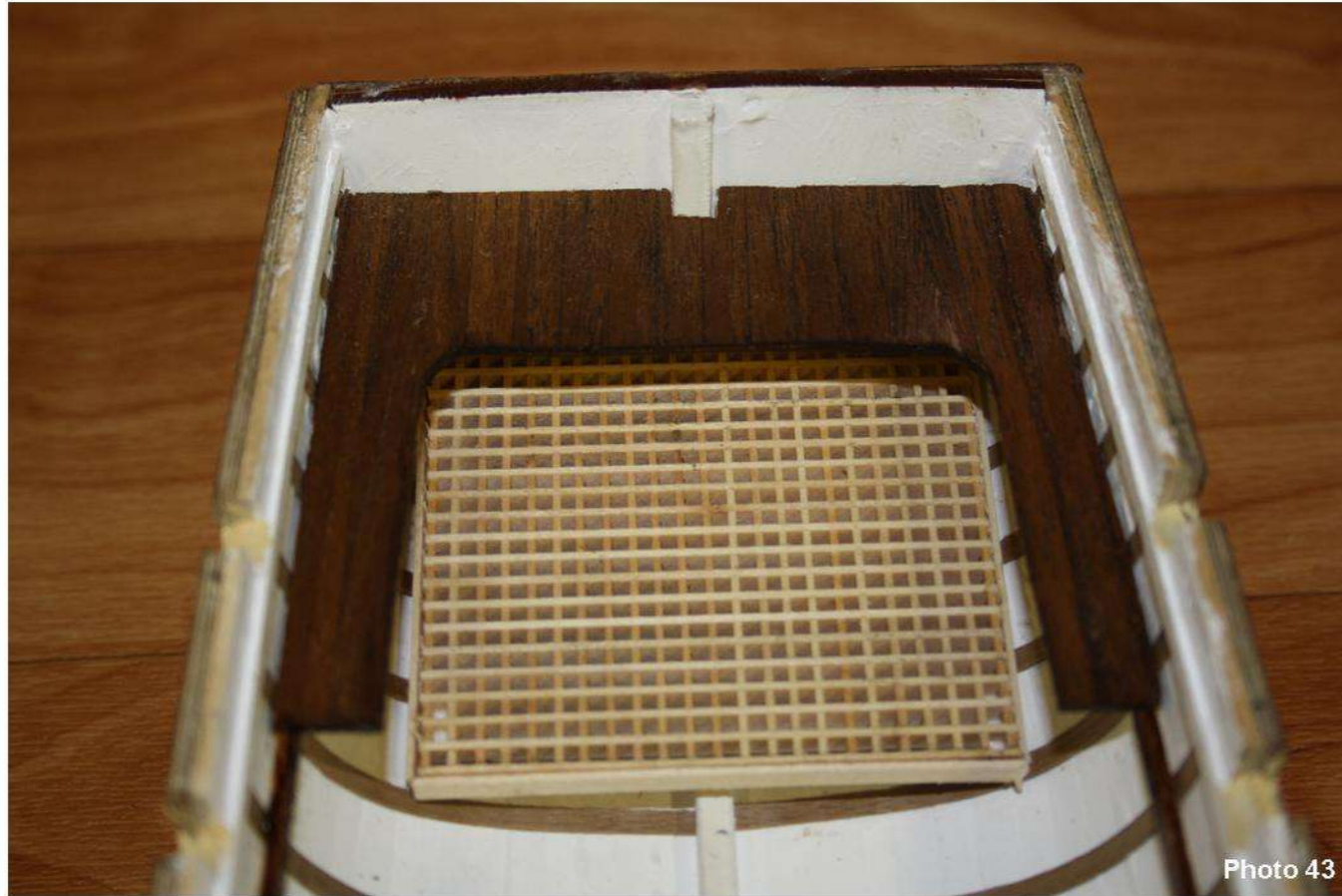


Photo 43

**14.0 Keelson & Bottom Plates:** The keelson is the 2x10x250mm walnut timber P28. Cut to a length of 230mm and fit & fix in place on the inner keel as shown Photo 44.

The bottom boards are 1x6x250mm walnut timber P29. there are 6 lengths. Cut to 230mm lengths and fit & fix in place as shown Photo 44.

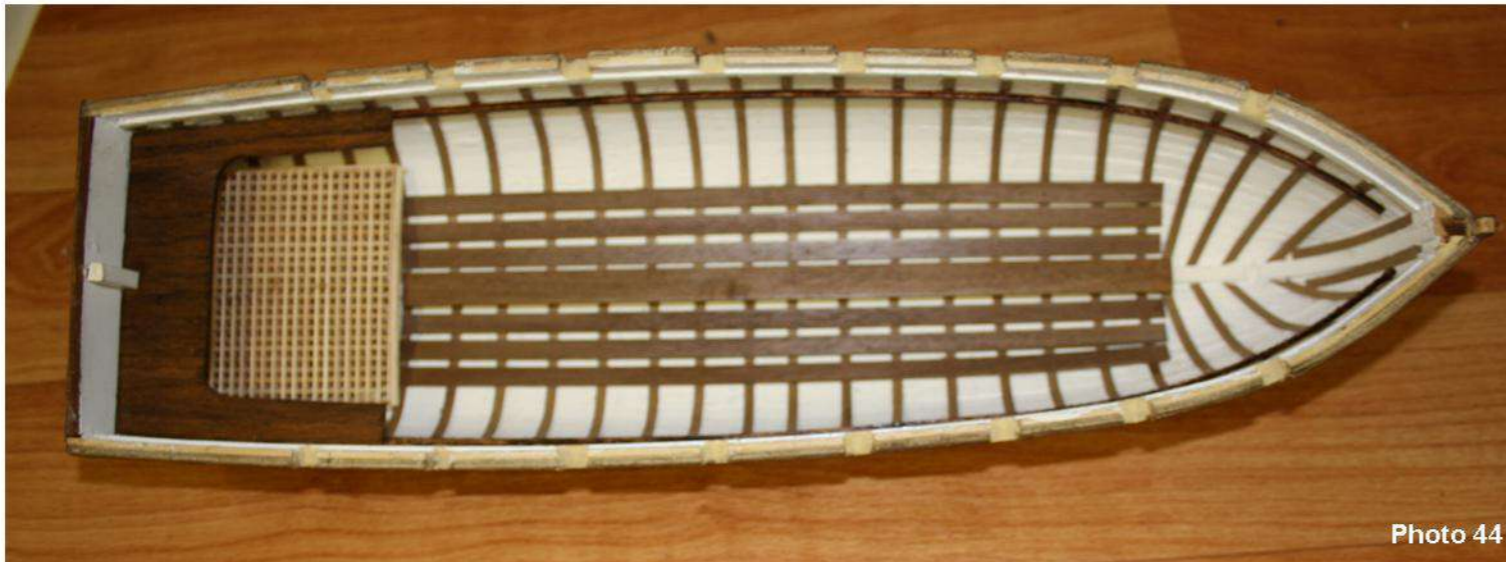


Photo 44

**15.0 Bow Platform:** Cut two 20mm lengths of 2x2mm limewood P23. Fit each length to the inside of the hull 28mm below the top of the washboard at the bow as shown Photo 45.

Identify the bow platform P30 from the 2mm plywood sheet. Fractionally fit into place at the bow as shown Photo 46. Plank with teak strips P16. Stain the same as the stern bench. Fix in place as shown Photo 46.

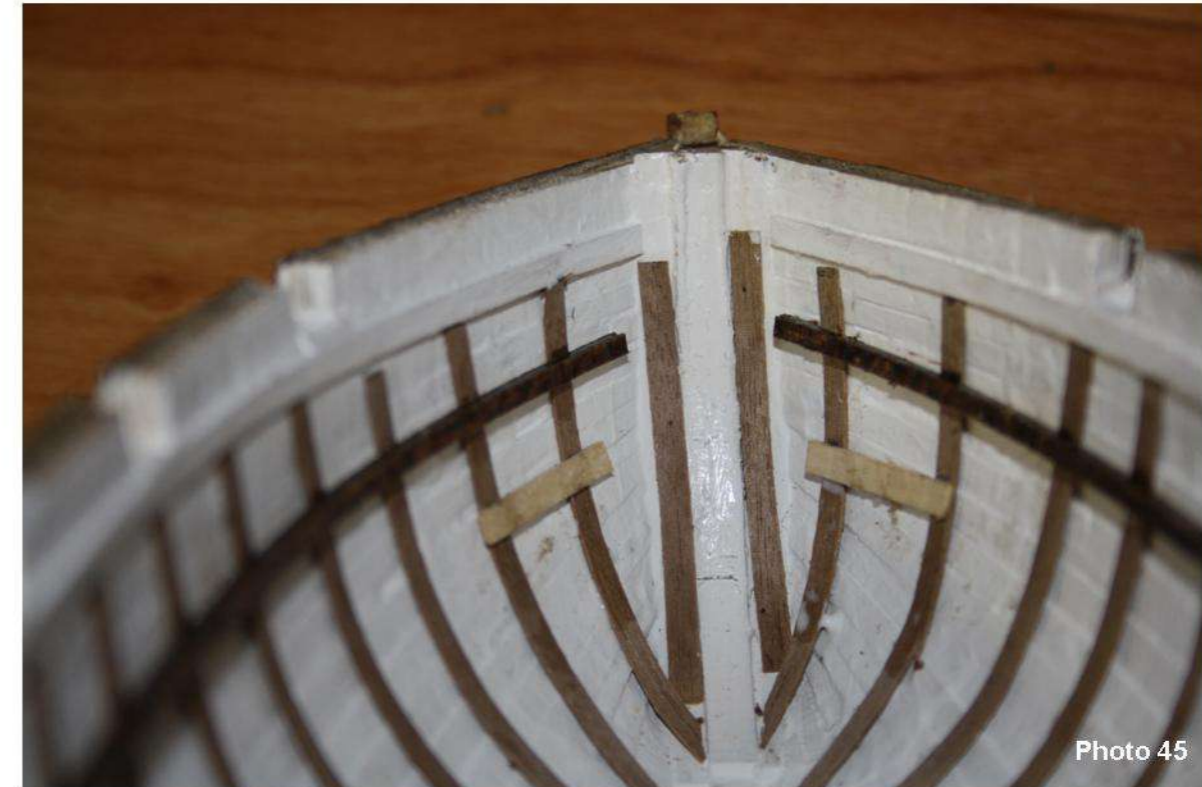


Photo 45



Photo 46

HMS Sirius  
**LONGBOAT**  
1786  
SHEET 12

**16.0 Cap Rails:** Identify the 2x5mm flexible beech P31. There are 2 lengths at 400mm and 1 length at 100mm. Fit and fix the cap rail in position around the top of the hull across the rowlocks. Identify the 1x3mm beech strips P32. There are 4 lengths at 400mm and 1 lengths at 200mm. Fit a length to the outside and the inside of each cap rail around the hull and transom—Photo 47



Photo 47

Use a small piece of 2x5mm flexible beech to fit a corner at the bow joint of the cap rails—Photo 48



Photo 48

**17.0 Rowlocks:** Cut through the cap rails to create the rowlocks. Use a golden oak wood stain to finish the cap rails. Sand lightly to create an aged appearance—Photo 49.

**18.0 Thwarts:** identify the thwarts P33A-H on the 2mm plywood sheet. Fractionally fit in position to rest on the shelf—Photo 49. Once satisfied plank with teak planks P16 and stain as previously described for the hull. Fix in position along the thwart shelf.

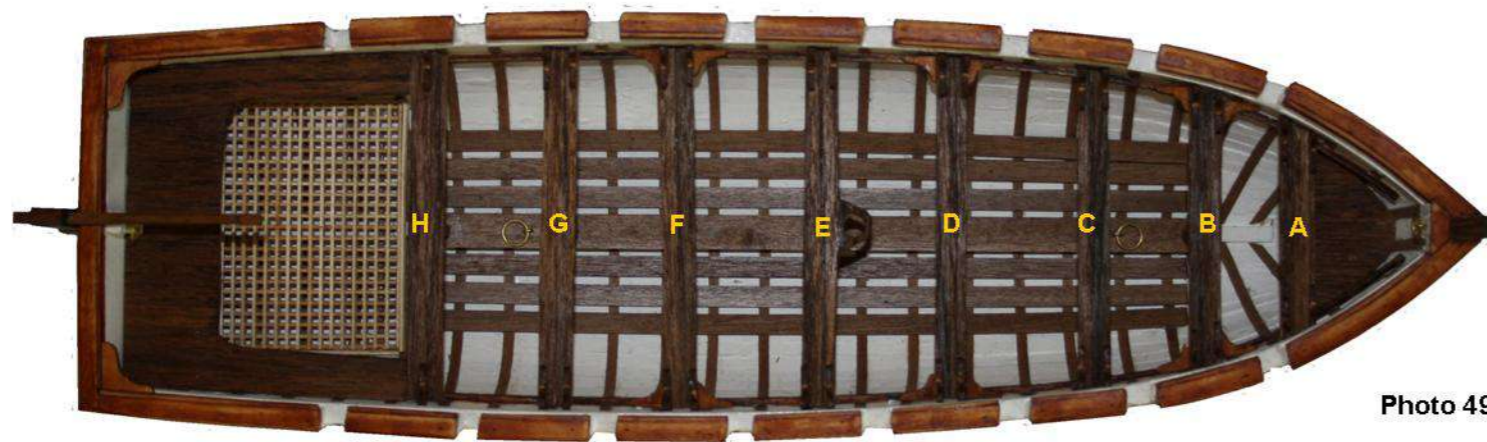


Photo 49

**19.0 Thwart Pillars:** identify the 3x3x250mm walnut P34. Cut lengths of this timber to fit between the keelson and the underside of each thwart. Fit & fix in position as shown Photo 50



Photo 50

**20.0 Stem Head** identify the stem head P35 from the 4mm plywood sheet. Fix in position at the top of the stem post. Cover with the teak planks P16—Photo 51



Photo 51

**21.0 Rudder and Tiller:** identify the rudder P36 from the 4mm plywood sheet. Plank with teak planking P16. To make the tiller cut a length of 3x3mm walnut P34 to 60mm and a second length to 10mm. Drill a 1.5mm hole through the top of the rudder head. Drill additional holes into the centre of the two tiller pieces as shown. Use a 15mm length of 1.5mm brass wire P37 and fit and fix the tiller to the rudder—Photo 52 & 53

Fit the rudder hinges P38 to the rudder with brass nails P39 as shown Photo 53



Photo 52



Photo 53

Fit the rudder and hinges to the transom—Photo 54



Photo 54

**22.0 Oars:** The oar blades are P40. Identify them on the 2mm plywood sheet. The oar shaft is 3mm dowel P41. Identify the dowel. There are 3 lengths at 300mm. Cut each length to 150mm. Shape the oar shaft to fit into the blade slot—Photo 55. Shape the loom end of the oar as shown Photo 56. Paint the oars white.



Photo 55

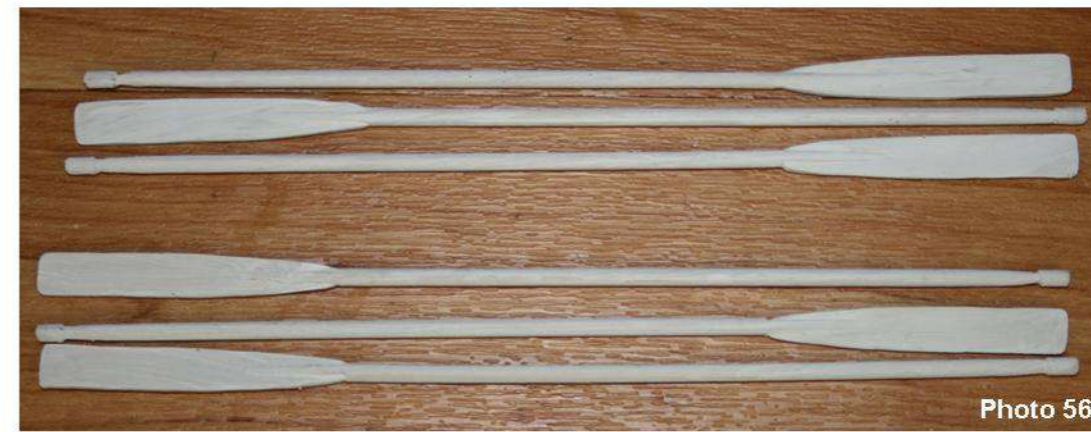


Photo 56

**23.0 Lifting Rings:** Identify the 3mm eye pins P42. Also identify the 8mm brass rings P43. There are 4 of each supplied. Fit & fix the eye pins with ring attached at points A, B, C & D as shown Photo 57

**25.0 Knees:** The knees are P45. There are 12 knees. Identify these parts on the 2mm plywood sheet. Note the knees are only fitted to thwarts B, D & F. Fit the knees as shown Photo 57.

**24.0 Stern Knees:** The stern knees are P44. Identify these on the 2mm plywood sheet. Fit the stern knees as shown Photo 57.

**26.0 Thwart Knees:** The thwart knees are P46. There are 30 thwart knees. Identify these parts on the 2mm plywood sheet. Note that on thwart H there is 1 thwart knee fitted central of the thwart. Fit the thwart knees as shown Photo 57.



Photo 57



Photo 58

You can stop at this point in building the model if you wish.

## 27.0 Masting & Rigging

### 27.1 Mast, Bowsprit, Boom & Gaff

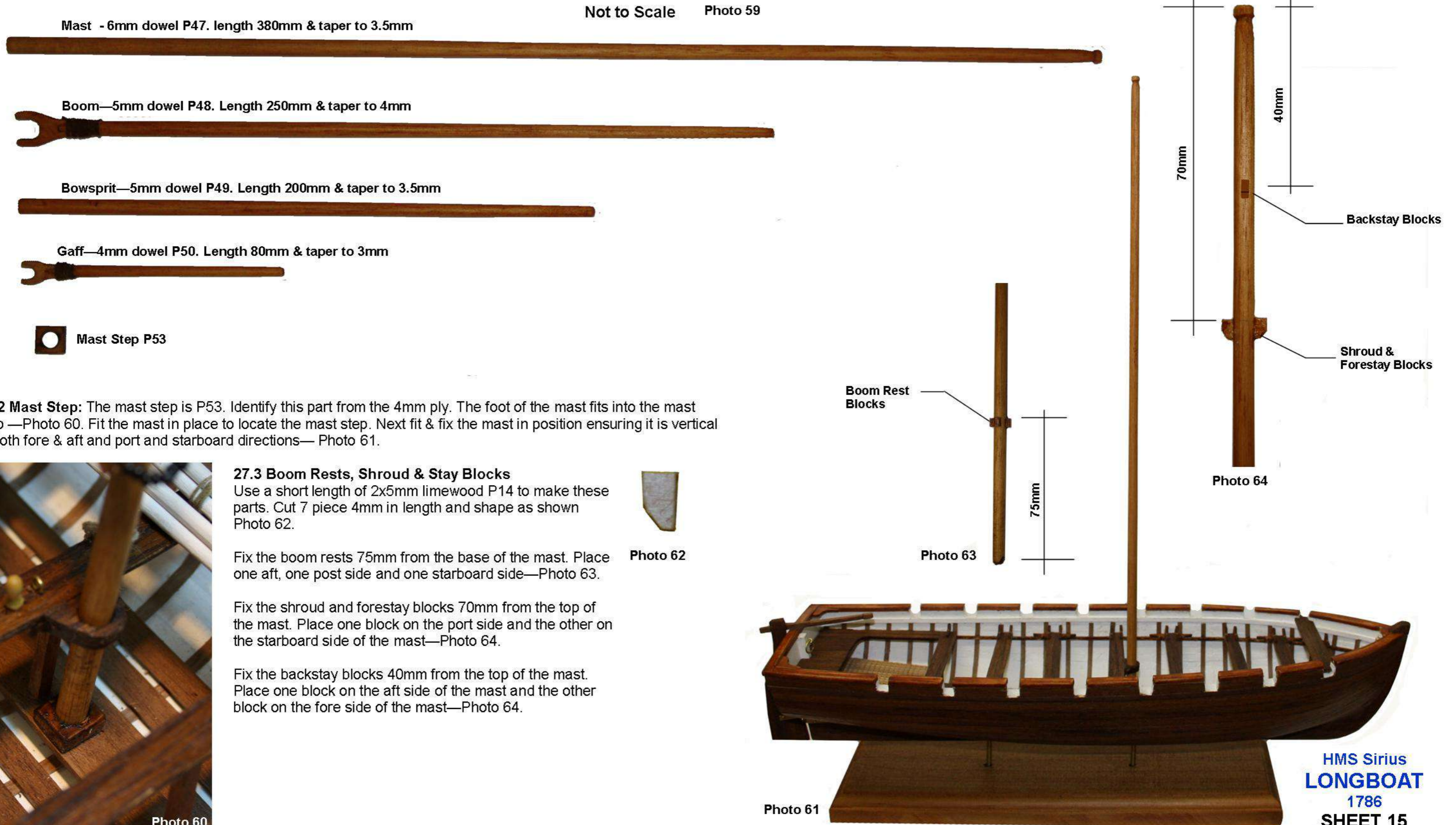
We will now progress on to making the mast, boom, bowsprit and gaff.

Using the dimensions given in Photo 59 make each part.

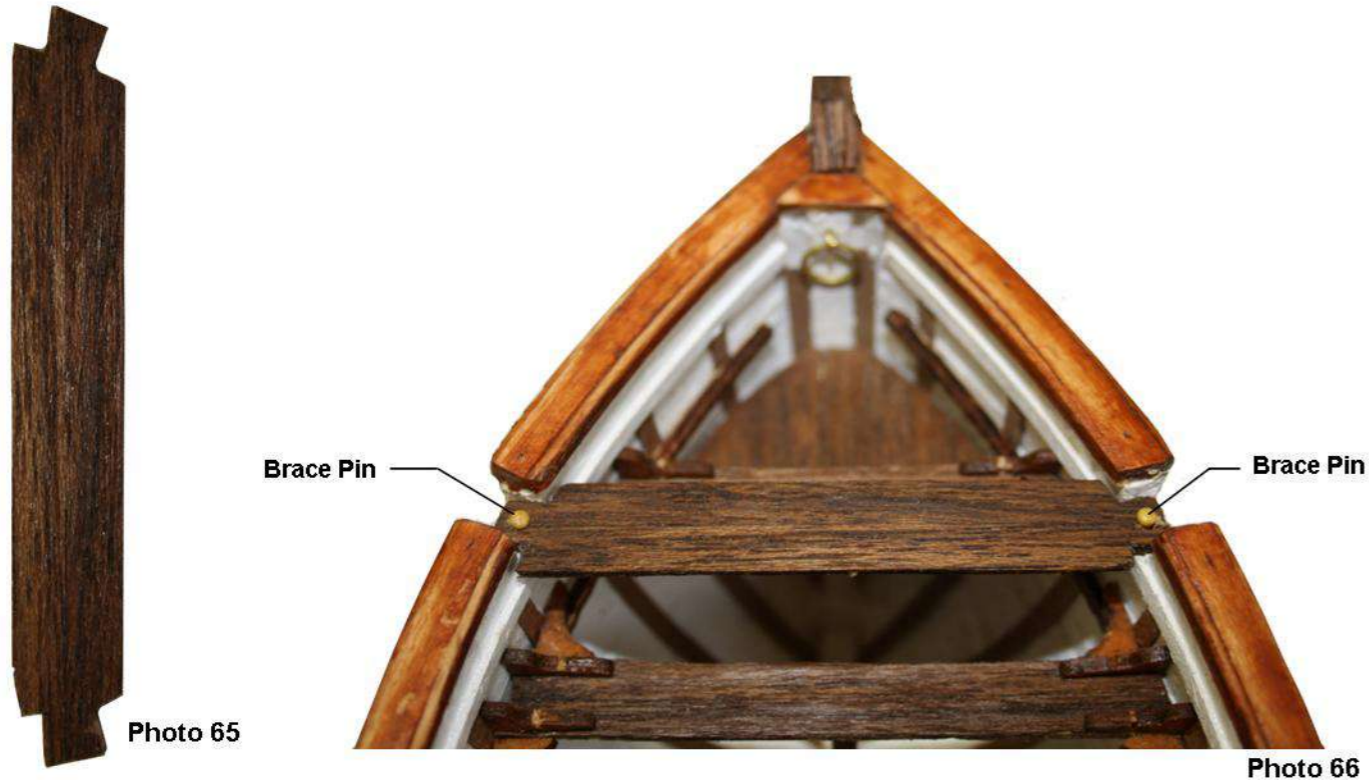
Fit the boom yoke P51 to the boom. Lash the yoke with 0.25 cord P54 as shown Photo 59

Fit the gaff yoke P52 to the gaff. Lash the yoke with 0.25 cord P54 as shown Photo 59

Use a cloth to wipe a golden oak stain over these parts.



**27.4 Bowsprit Brace:** Identify the bowsprit brace P55 on 2mm plywood sheet. Fractionally fit in place. Plank with teak timber strips P16—Photo 65. Fit the bowsprit brace and drill two holes to place brace pins P56. Stain and glue in place—Photo 66.



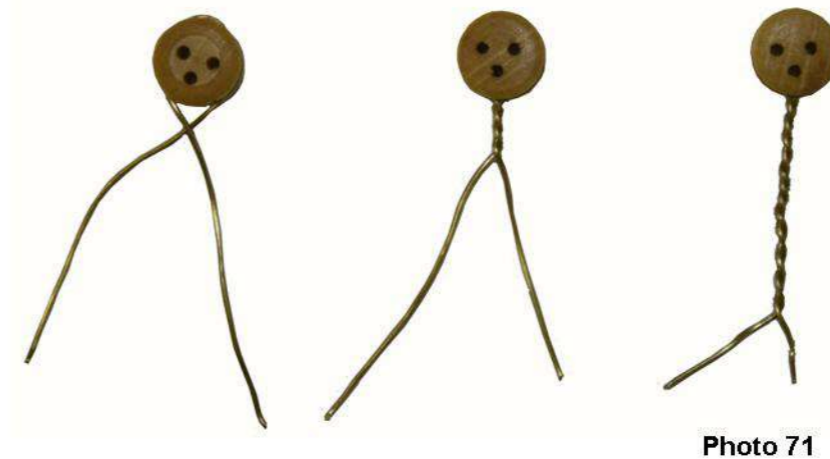
**27.6 Bowsprit:** Fit the bowsprit in place and lash to the brace with 0.75mm cord P58 —Photo 70.



**27.5 Bowsprit Strap** Identify the bowsprit strap 3x40mm copper P57. Fit the strap around the bowsprit to determine its shape—Photo 67. Then fit & fix the strap in place at the side of the stem head using two brass nails P 39 Photos 68 & 69.



**27.7 Deadeye Chain Straps:** Identify the 0.5x300mm brass wire P59. Cut into 4x75mm lengths. Identify the deadeyes P60. Take a length of the cut brass wire and wrap it around a deadeye and twist the wire—Photo 71. Complete the 4 deadeye chain straps. Put aside to be used later.





**27.8 Chain Straps & Lower Deadeyes:** Use a 1mm drill to fit the chain straps & lower deadeyes as shown Photo 72 & 76.

**27.9 Shrouds:** Use 1.25mm cord P61 for the shrouds. Cut two lengths of the cord and attach to mast as shown Photo 73

To ensure the upper & lower deadeyes for the shrouds are an equal distance apart make a jig as shown Photo 74. Use the jig to hold the upper deadeye in place while the shroud is attached. Lash the shroud as shown Photo 78 using 0.25mm cord P54. Use the same cord P54 as the lanyard and follow the steps in Figure 1 to reeve the upper and lower deadeyes together. Also see Photo 78.

**27.10 Forestay:** Fix an eye pin P42 to the stem head. Use a length of 0.5mm brass wire P59 to attach a deadeye P60 — Photo 77

Use 1.25mm cord P61 for the forestay. Cut a length of the cord and attach to mast as shown Photo 78. Using the deadeye jig reeve the two deadeyes together using 0.25mm cord P54 — Photo 77.

**D**—Recommended distance between deadeyes is 3 times the deadeye diameter

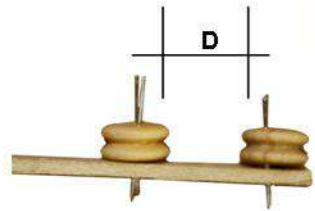


Photo 74



Photo 76

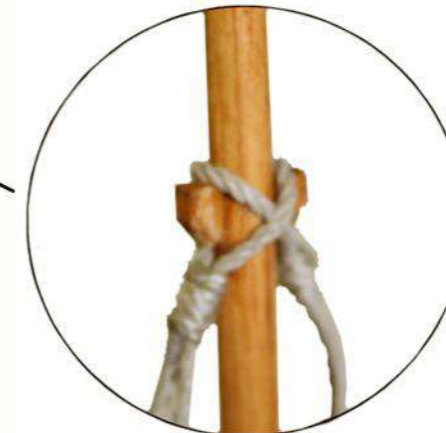


Photo 73



Photo 75



Photo 77

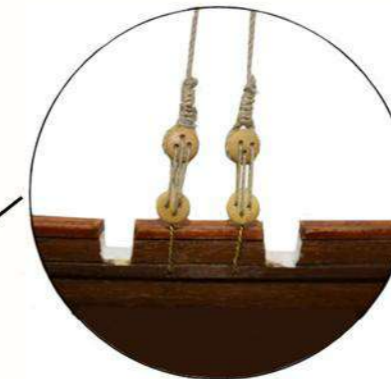


Photo 78

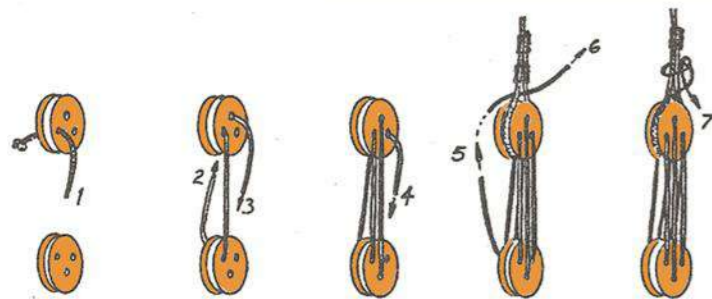


Figure 1 How to reeve the deadeyes

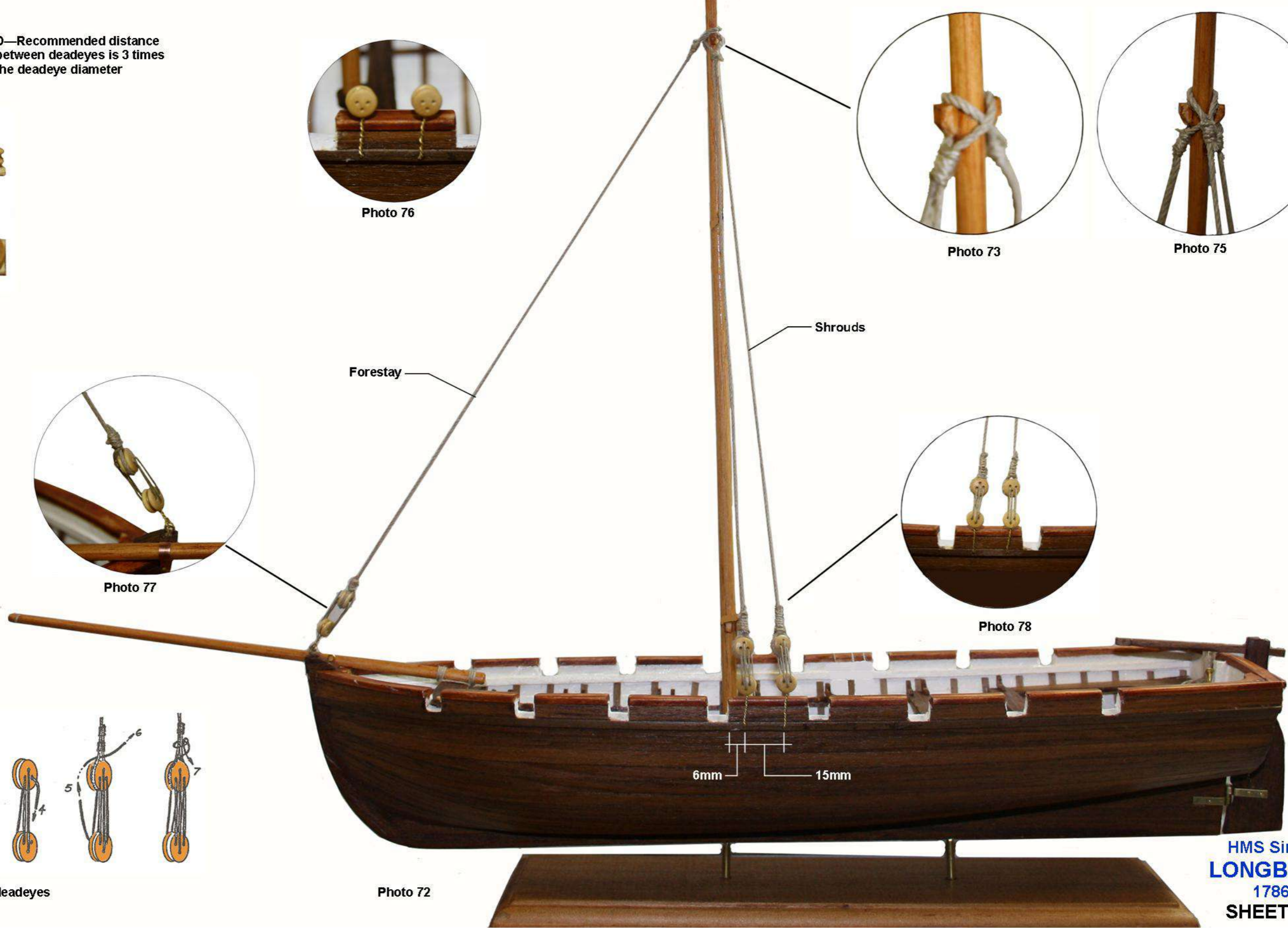


Photo 72

**27.11 Backstays:** The back stays are fitted to the port and starboard sides. Fit an eye pin P42 to the cap rail as shown Photo 79 & 80. Tie a 5mm 1 hole block P62—Block 2 to the eye pin.

Use 0.5mm cord P63 tie off at the mast head and extend to a 5mm 1 hole block—Block 1. Fit a 3mm brass ring P64 to this block—Photo 81

Use 0.5mm cord and start at the ring and extend to Block 2. Pass through this block and return to Block 1. Return to the belaying points A & B for port and starboard sides respectively.

Repeat for the other side of the model.

Belaying Plan

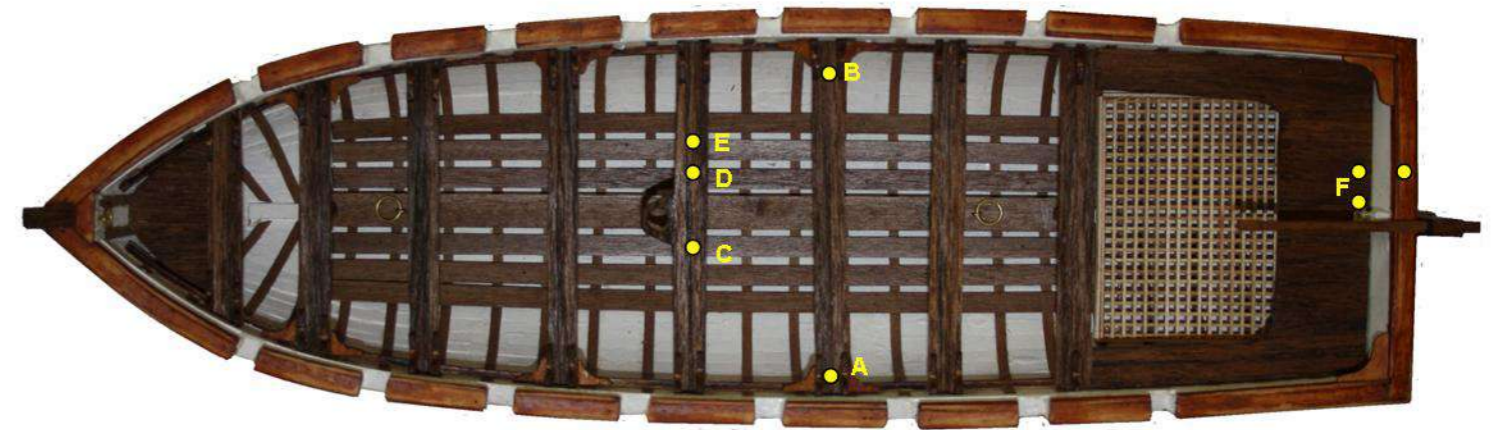
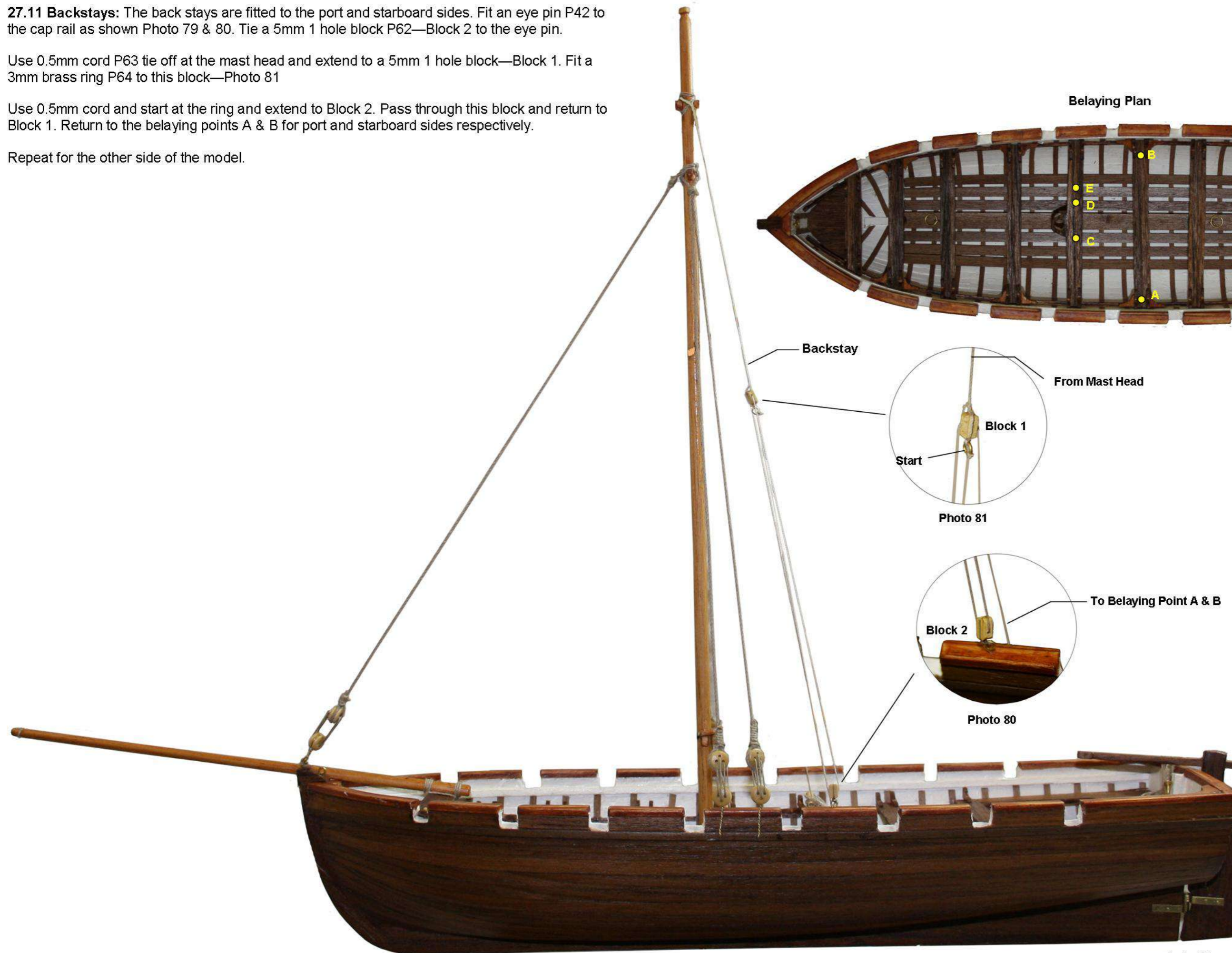


Photo 82



Backstay

From Mast Head

Block 1

Start

Photo 81

To Belaying Point A & B

Block 2

Photo 80

**Belaying Points**

- A Port Backstay
- B Starboard Backstay
- C Throat Halliard
- D Gaff Halliard
- E Topping Lift
- F Sheet

At each belaying point fit an eye pin P42 and drill a 1mm hole adjacent and fit a belaying pin P65.

Blocks: 5mm 1 Hole

Photo 79

**27.12 Boom & Gaff:** Fit the parrel beads P66 to the yokes on the boom and gaff—Photo 86. Fit the boom and gaff to the mast as shown Photo 83. Fit a cleat P67 35mm from the yoke end of the boom. Drill a 0.7mm hole 12mm from the end of the aft end of the boom. Fit a 5mm 1 hole block to the gaff yoke end as shown Photo 83.

**27.13 Mast Head Blocks:** Fit a 5mm 1 hole block P62 and 5mm 2 hole block P68 to the mast head as shown Photo 83. Attach a 3mm brass ring to the block P68.

**27.14 Jib Stay & Foresail Stay:** Use 0.5mm cord P63 run the jib stay from the mast head to the end of the bowsprit. Use the same cord run the foresail stay from the mast head to the stem head—Photo 83.

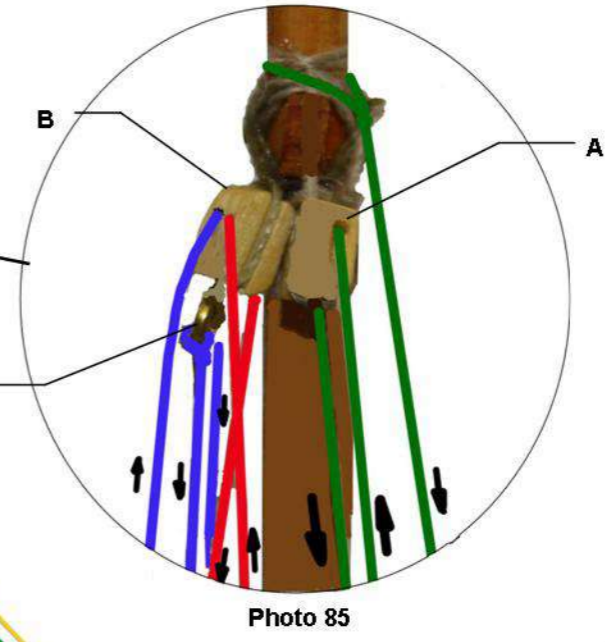
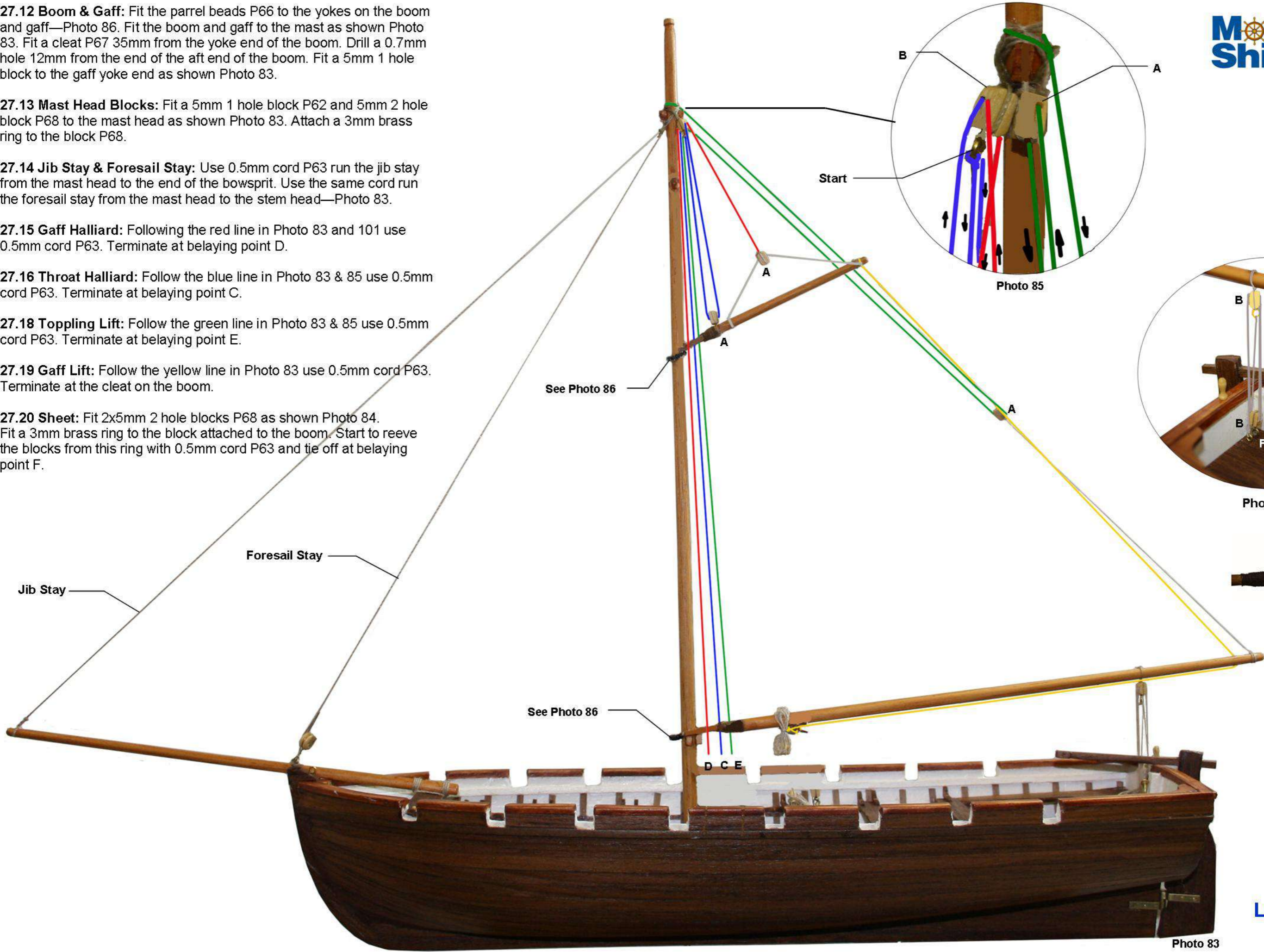
**27.15 Gaff Halliard:** Following the red line in Photo 83 and 101 use 0.5mm cord P63. Terminate at belaying point D.

**27.16 Throat Halliard:** Follow the blue line in Photo 83 & 85 use 0.5mm cord P63. Terminate at belaying point C.

**27.18 Toppling Lift:** Follow the green line in Photo 83 & 85 use 0.5mm cord P63. Terminate at belaying point E.

**27.19 Gaff Lift:** Follow the yellow line in Photo 83 use 0.5mm cord P63. Terminate at the cleat on the boom.

**27.20 Sheet:** Fit 2x5mm 2 hole blocks P68 as shown Photo 84. Fit a 3mm brass ring to the block attached to the boom. Start to reeve the blocks from this ring with 0.5mm cord P63 and tie off at belaying point F.



**Block Legend**  
 A 5mm 1 hole  
 B 5mm 2 hole

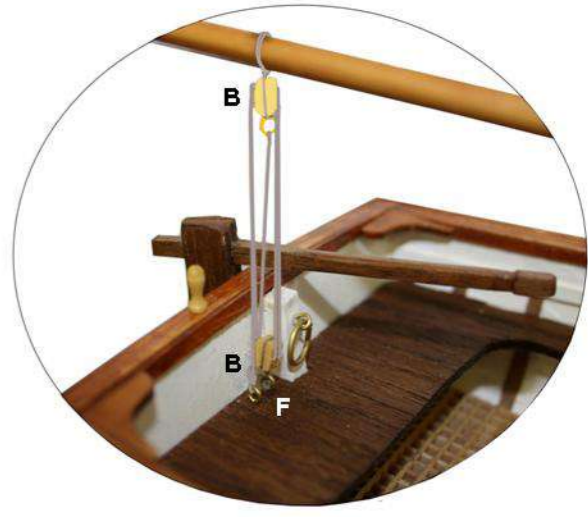


Photo 84

Photo 86

Photo 83

### 28.0 Finishing Touches

To add a touch of professionalism to your model use lengths of 0.75mm cord P58 to make rope coils to hang over the belying pins and the boom cleat. Also use a length 1.25mm cord P61 to make a rope coil placed on the stern grating—Photos 87 to 91

Give your model a complete check over for completeness. Mount the model on its cradle and proudly display the HMS *Sirius* 1786 Longboat.

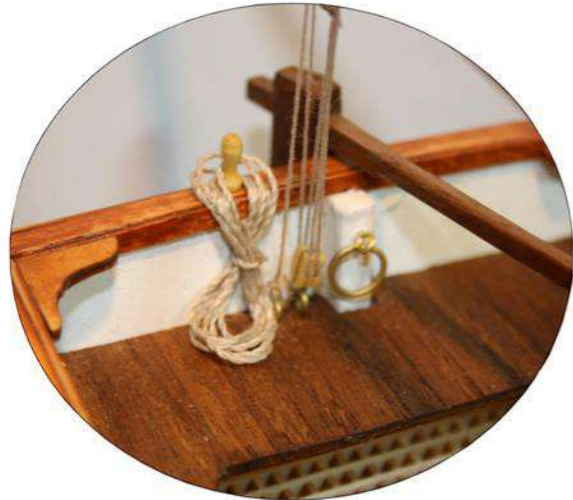


Photo 87



Photo 88



Photo 89

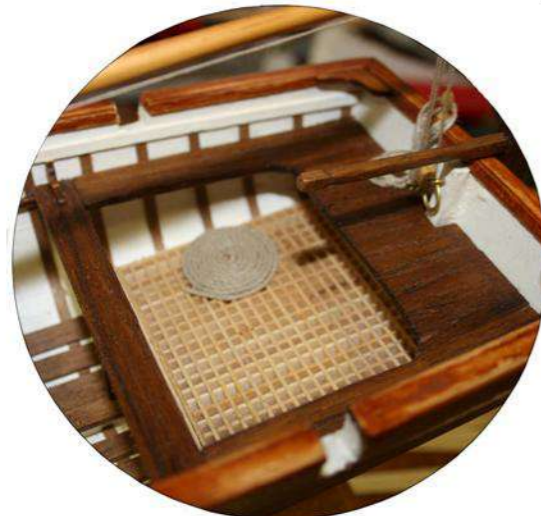


Photo 90

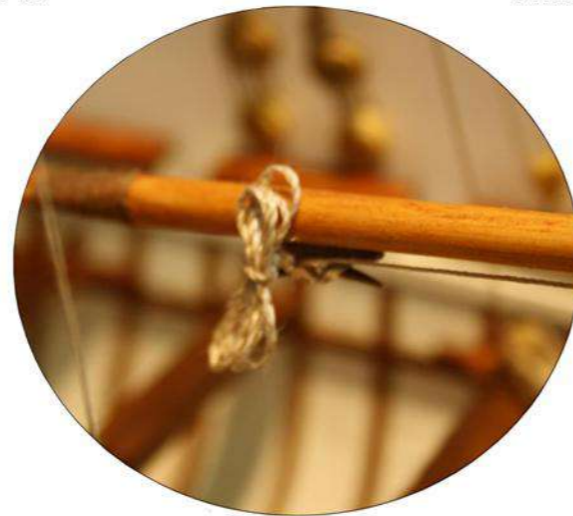


Photo 91



Photo 92



Photo 93